

## PATENT ABSTRACTS OF JAPAN

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(71)Applicant : TOSHIBA CORP

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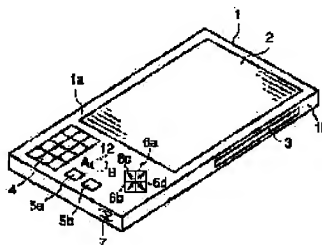
(72)Inventor : EIDAA RICHIIAADO

## (54) PORTABLE ELECTRONIC READING DEVICE

(57)Abstract:

PURPOSE: To automatically change the direction of display contents only by changing the direction of a case by a reader even if a fixed-form and longitudinally long text, a laterally long figure, a photograph, a table, etc., is present in an electronic publication.

CONSTITUTION: A direction sensor 12 which detects whether or not the length direction of a liquid crystal display unit 2 is horizontal, is provided in the case 1, and when the direction sensor 12 detects its horizontal direction, characters or image information read out of the electronic publication is rotated by 90°. The characters or image information which has been rotated by 90° is displayed and outputted on the liquid crystal display unit. If front and rear scroll keys 6a and 6b and left and right scroll keys 6c and 6d are operated while the direction sensor 12 detects the horizontal direction, the directions of the respective scroll keys are converted to scroll the image information displayed on the liquid crystal display unit in the left-right directions and front-rear directions.



(11)特許出願公開番号

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